Notebook, N-87-00-00.2

This undated notebook was used by Edison, probably in 1887 or 1888. The book contains drawings and occasional calculations relating to ore milling and electric lighting. In addition, there is a list of items for a phonograph caveat and another list, apparently of items to be made for the laboratory. Included on that list are phonogram cylinders, insulation, carbon buttons and chalk cylinders, meter solutions, kinetoscope materials, and condensers. The pages are unnumbered, and the book has been used in both directions. Approximately 100 pages have been used.

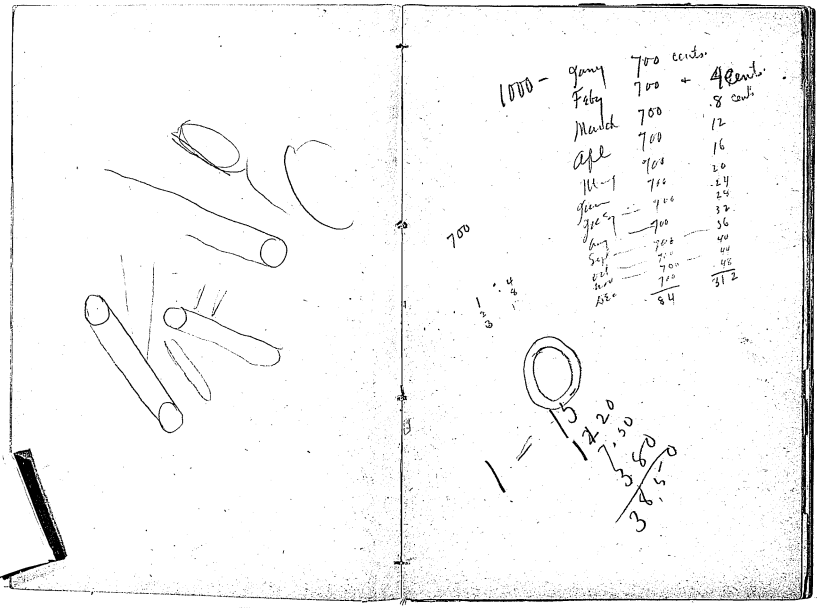
XE172 [270000.8]

Points for phono Caveat:

- split cylinders –
- Wax rammer
- false cylinder
- Waxed paper –
- Reversing Reverser / Reamer
- Extra Duplicating Transmitter,
- Grooving Cutter –
- Arranged for Picture Light-ticket,
- Hand turning mechanism –
- " "
- Clockwork with intervening mechanism to stop
- Cog wheel vibratin –
- Hand turning with single straight edge.
- Separate turning off Knife running in seperate Knife edge & not Lifted with the Reverser arm –
- Double cylinder machine –
- flat plate/machine –
- Soaked tin for closed Trays –
- New Reverser –
- Cloth-shellac for diaphragm –
- see Chronograph Clockwork for phonograph

1.

	1/5 mil.	60 mil mark
1	1 mark.	12 .07 of 6 mark
2		18 .14 of 12
3		24 .21 of 18
4		30 .28 of 24
5		36 .34 of 30
6		42 40 of 34
7		48 47 of 40
8		54 54 of 47
9		61 61 of 54
10		67 68 of 61
11		74 75 of 68
12		


1000 - January 700 cents. = 4 cents.
Feby 700 .8 cents.
March 700 12
April 700 16
May 700 20
June 700 24
July 700 28
Aug 700 32
Sept 700 36
Oct 700 40
Nov 700 44
Dec 700 48
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1 2 3 4
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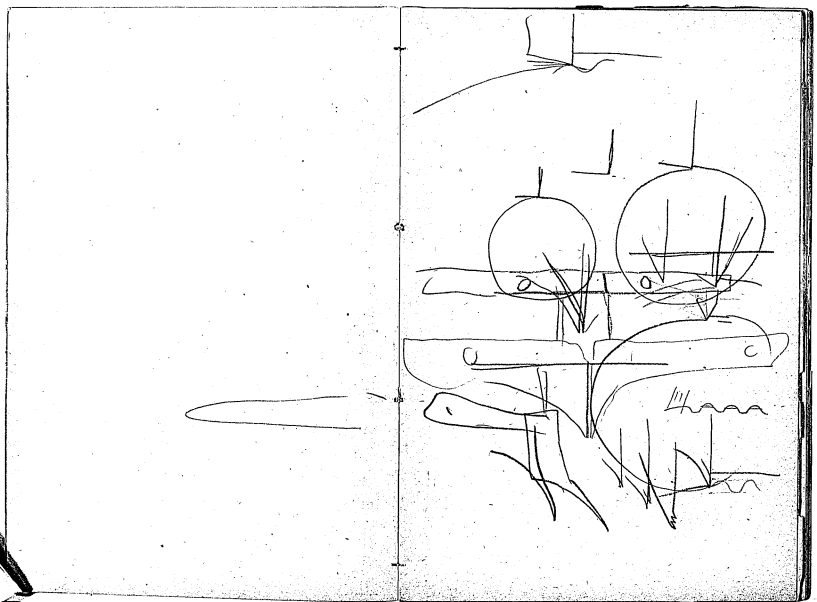
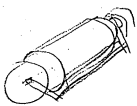
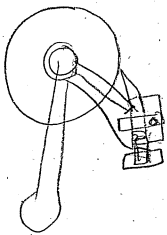
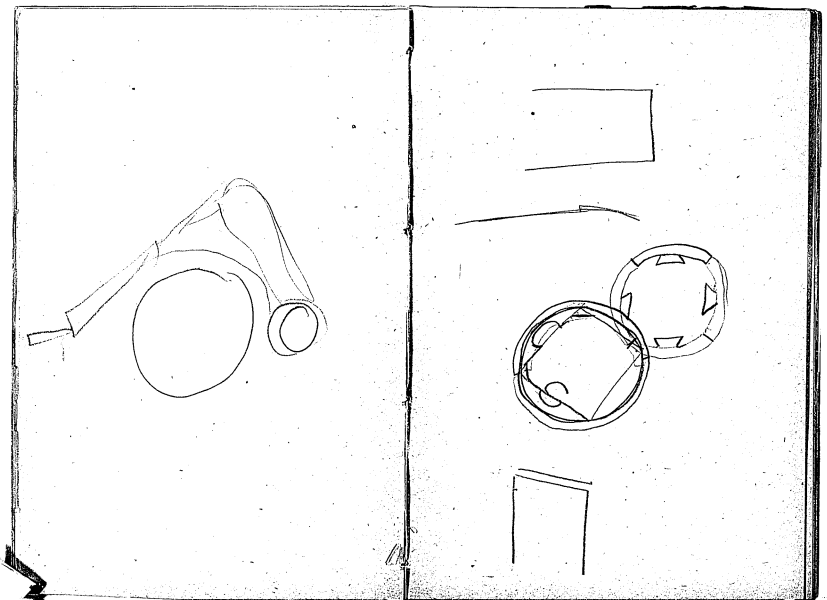
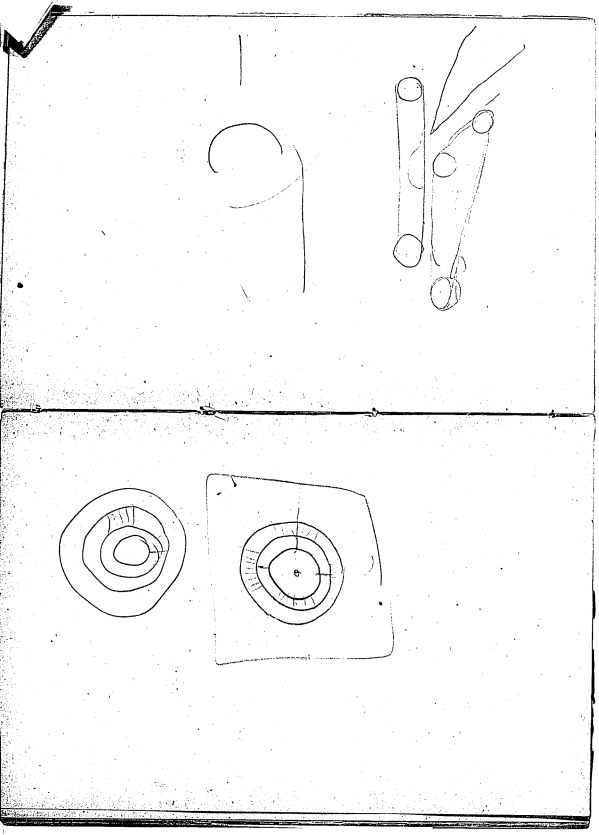
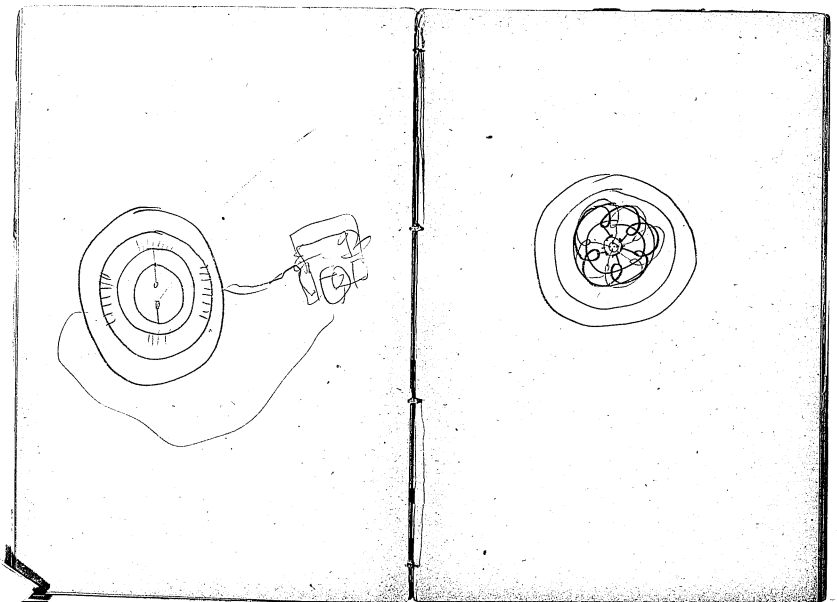


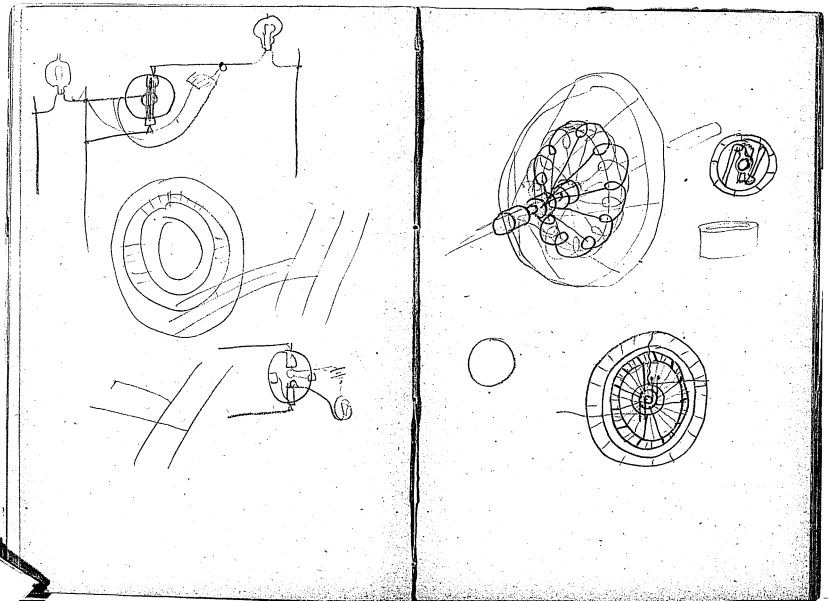


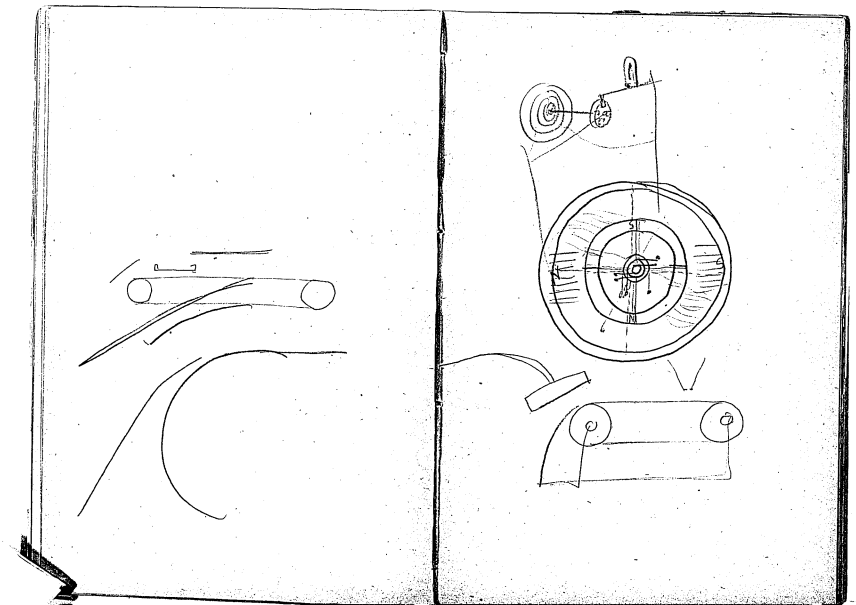


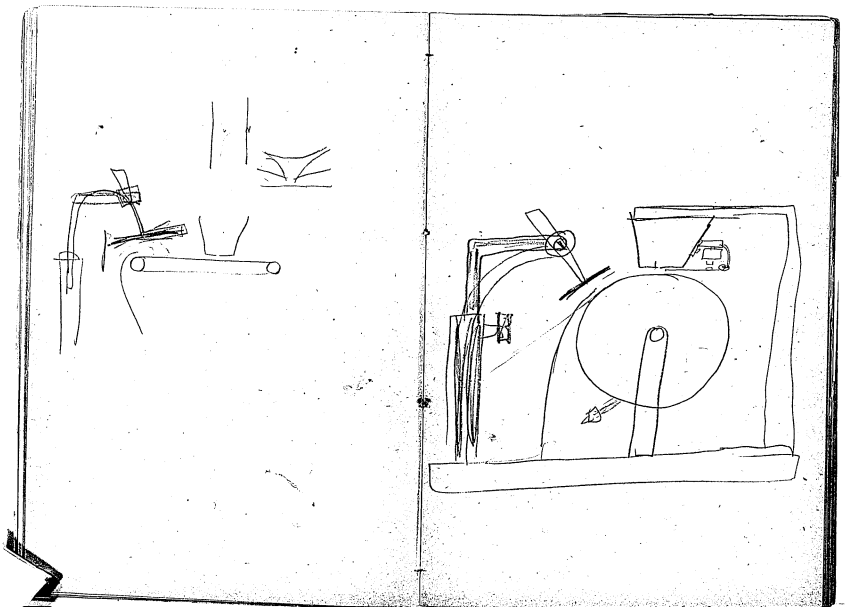


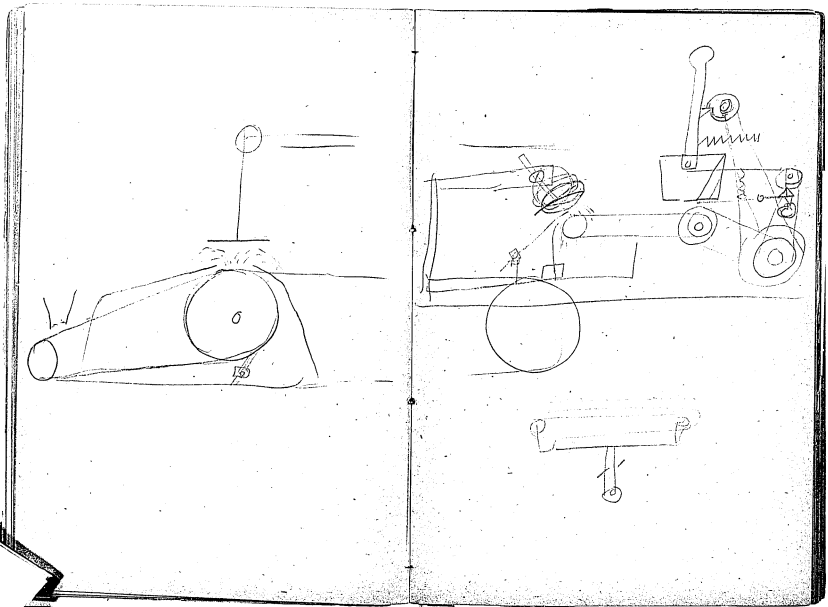


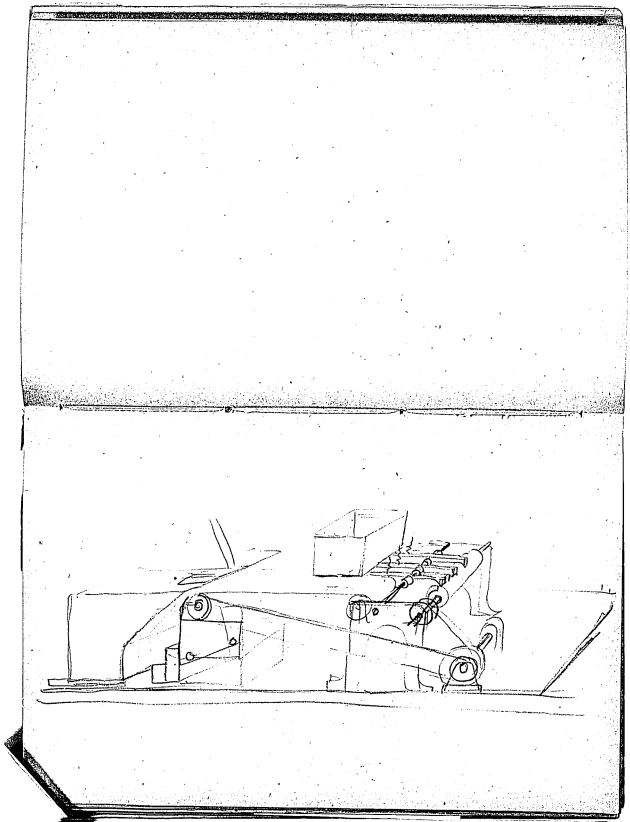


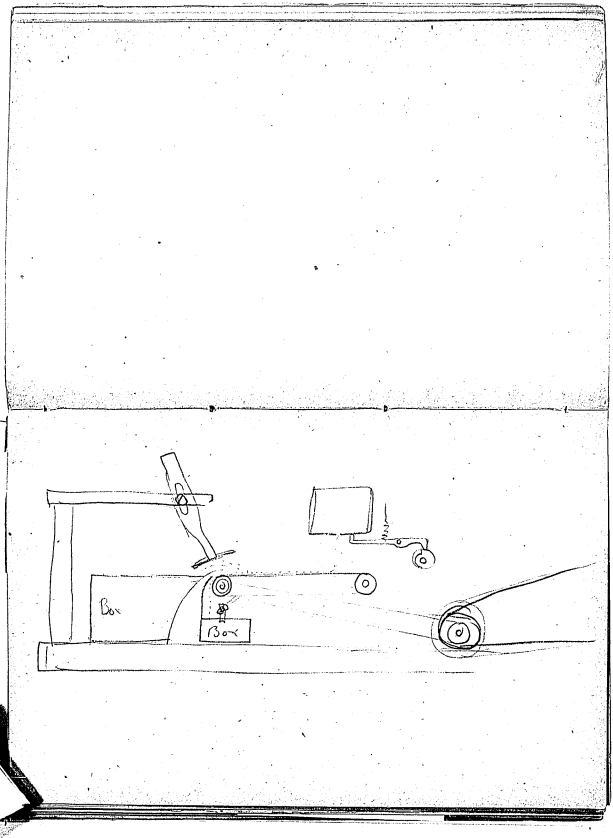











Box
Box

70

13
3
13
39
40
3.

2200 (31
210
100
190

2 inch screw

9 feet min -

4 feet min -

8 square feet min
24 inch belt

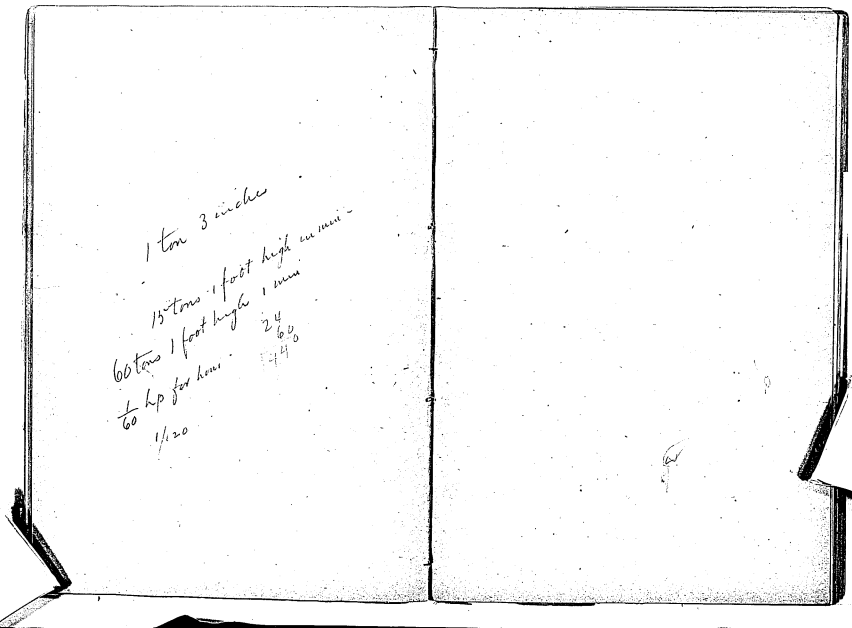
12 minutes.

inch deep 1 sq foot.

60)144 (2 hours 1/2 - Square foot.

150 lbs -
300 lbs 5 hour

3/4 ton day 24 hours


1 ton 3 inches
15 tons 1 foot high
60 tons 1 foot high 1 inch
1/60 hp for hour
1/20

Insulation Black & brown.
white

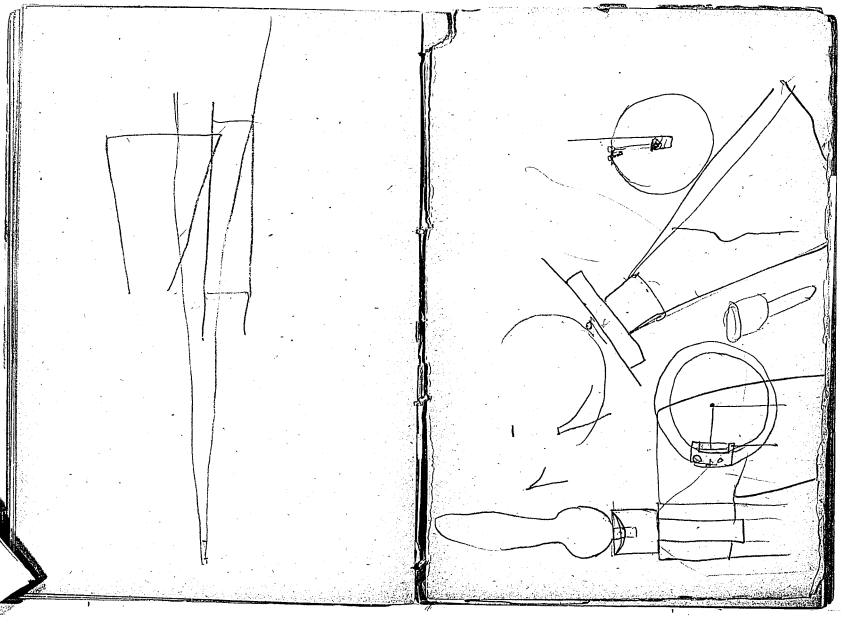
Cheap Iron for Cable. Iron furnished by Steam Engine Test
for Submarine

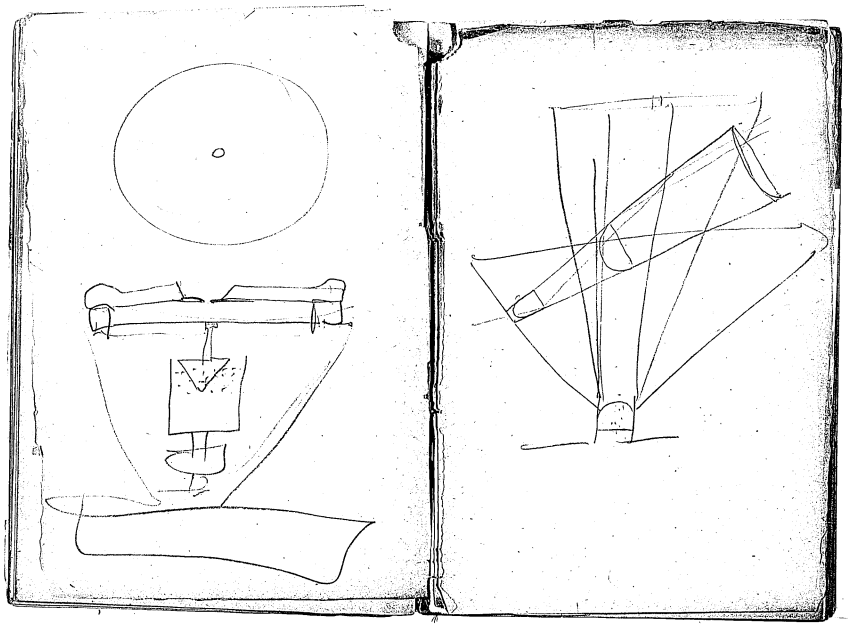
Crude phonogram material vegetable albumen
" " flexible material.

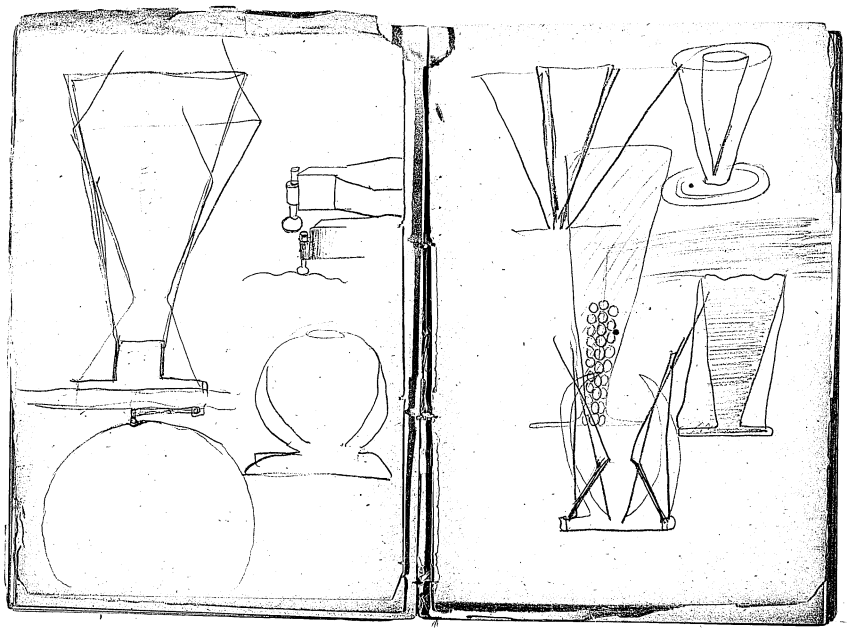
Insulating paper.

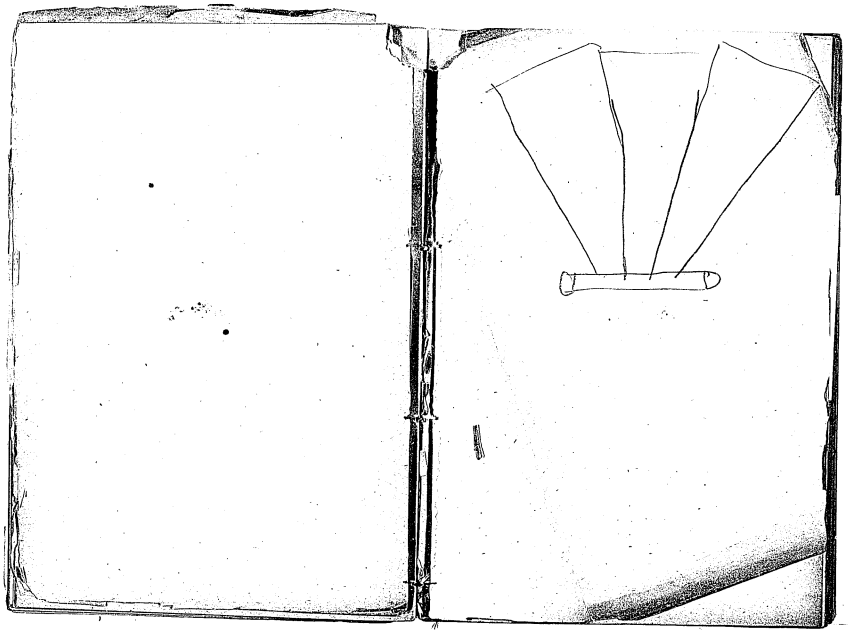
Chlorofacte of Albumen for Varnish making

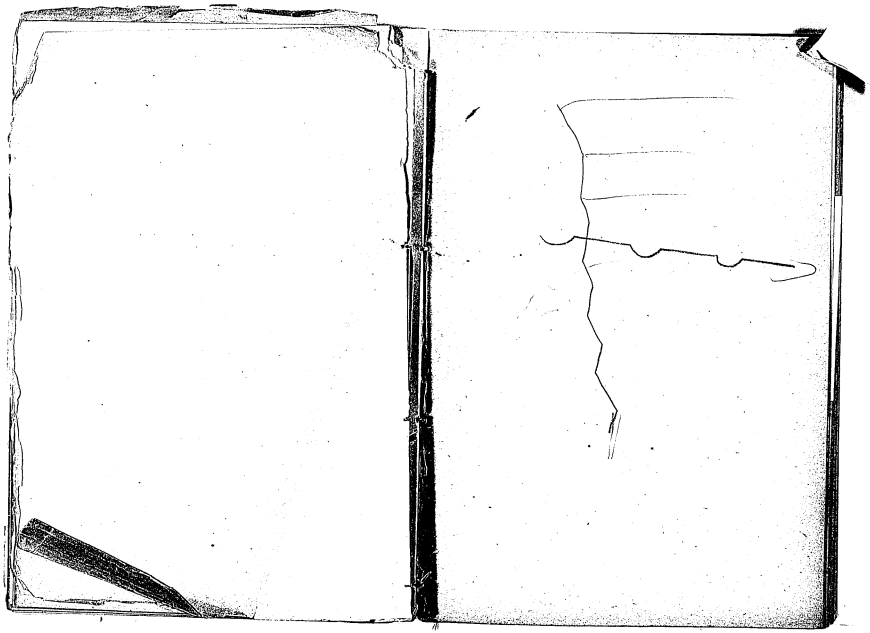
Purified 14-
Platinized Silver
Material for Poles
Peroxide Lead Electrodes
Oxidized Iron wire
Electrolytic Zinc
Carbon bottoms Telephone
Motograph Cranks -
Hg Lines
Pure Kinetoscope materials
Pure Water Substitute
Insulating Tape.
Condensers
Fancy transparent paper for Candy etc

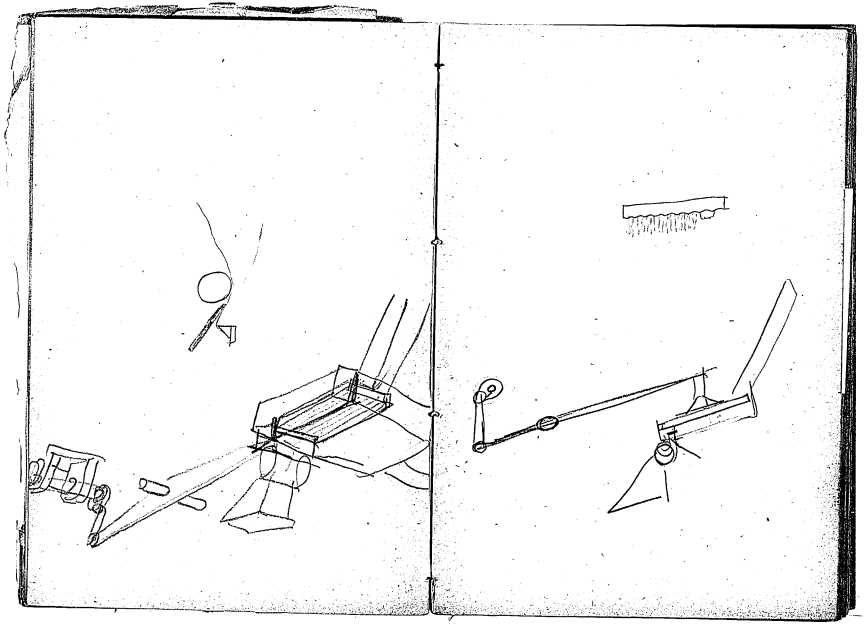


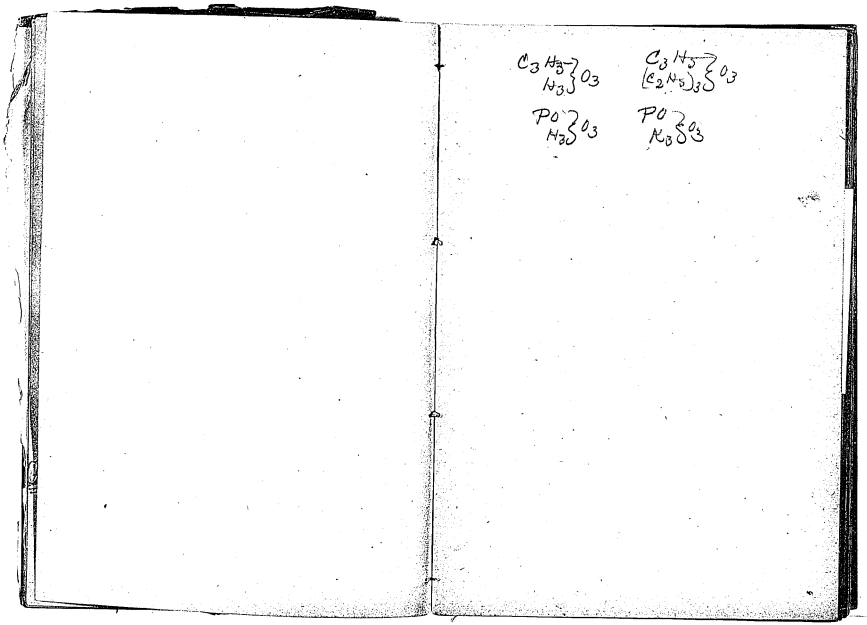


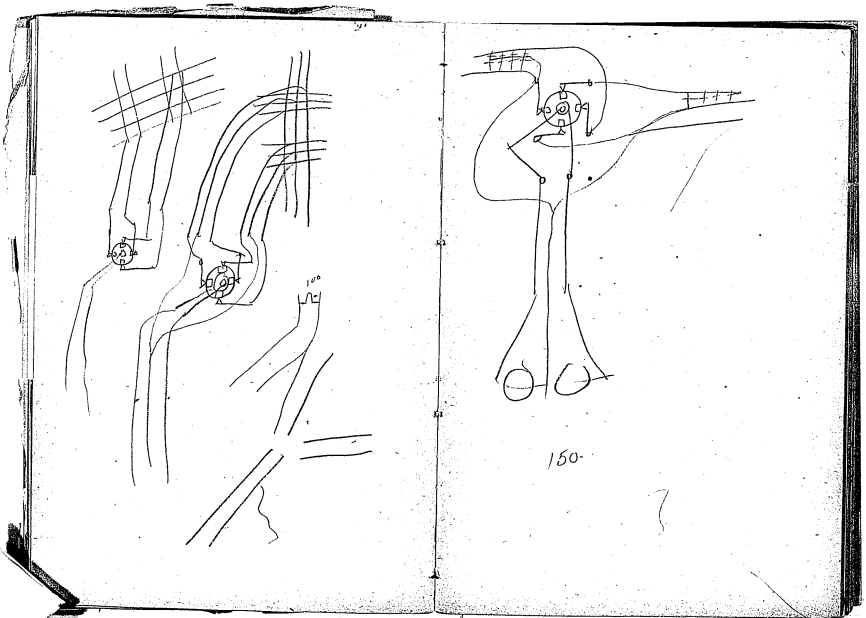









$C_3H_3\}O_3$ N_3
$C_3H_5\}O_3$ $(C_2N_5)_3$
$PO\}O_3$ H_3
$PO\}O_3$ N_3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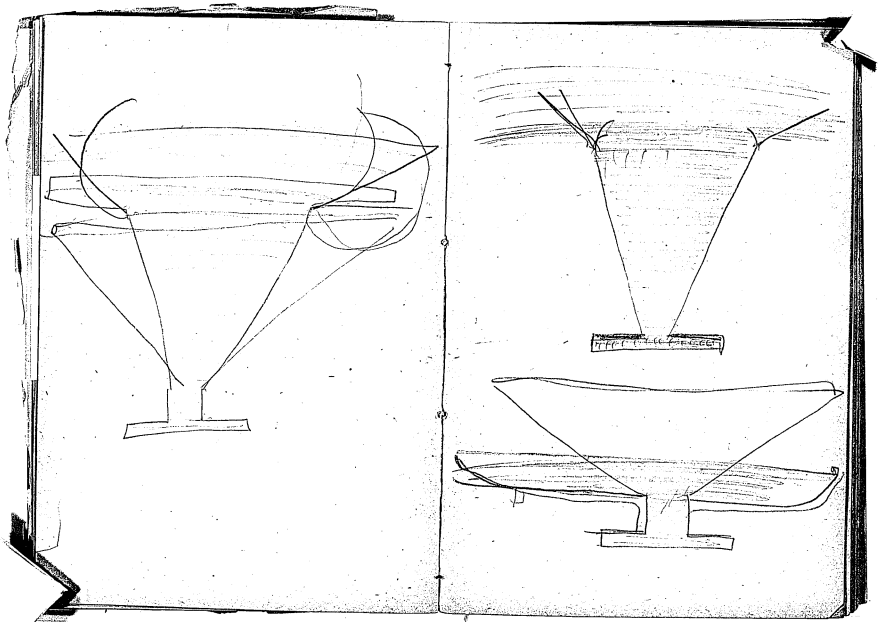
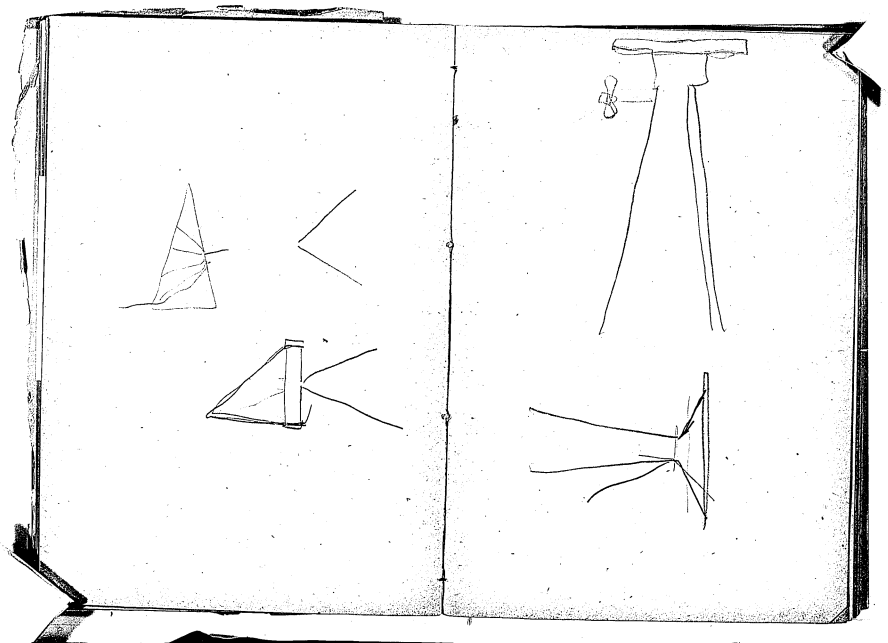
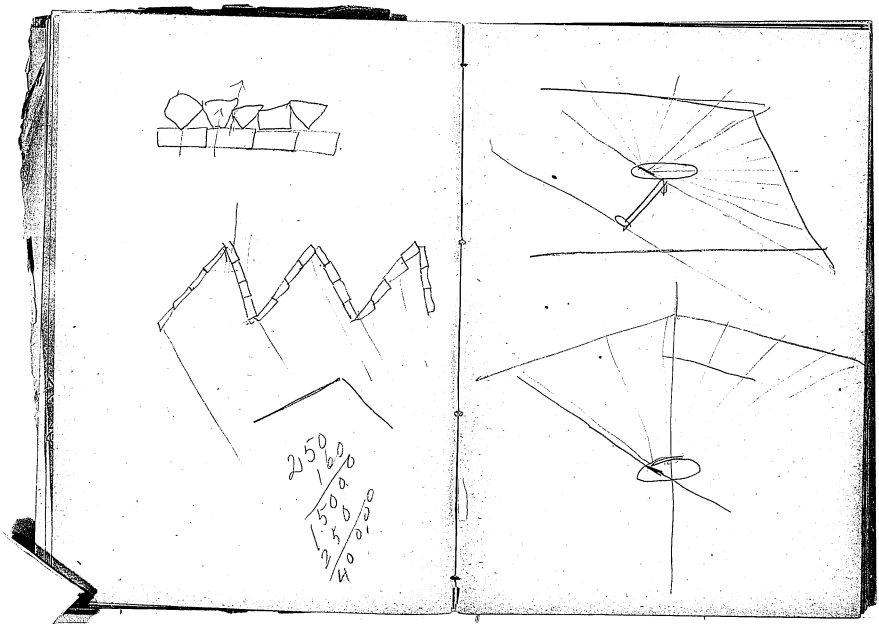
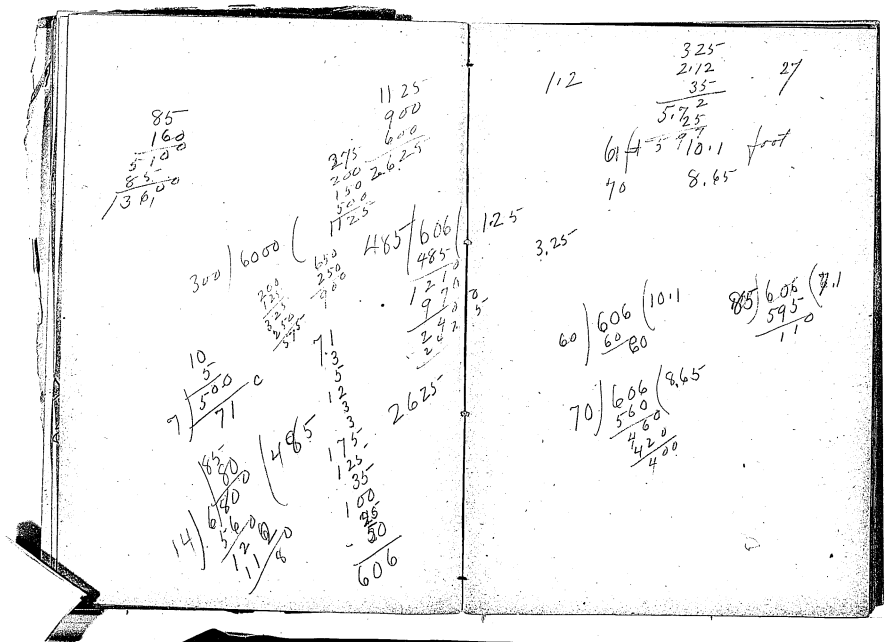
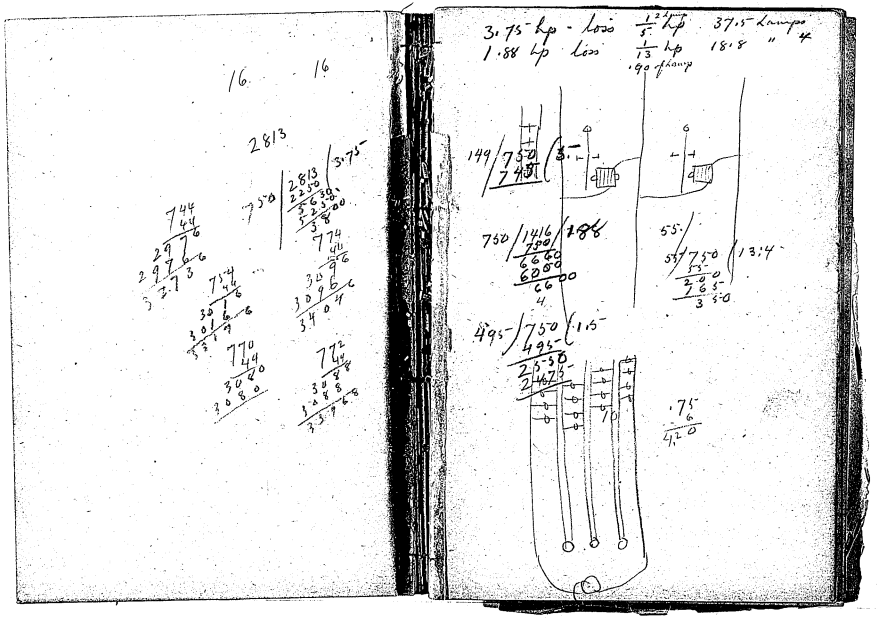


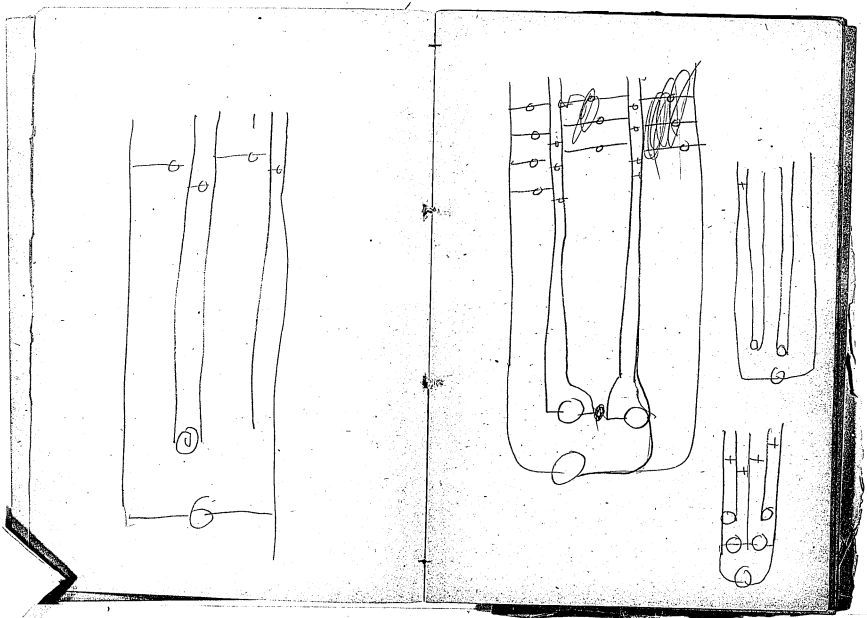


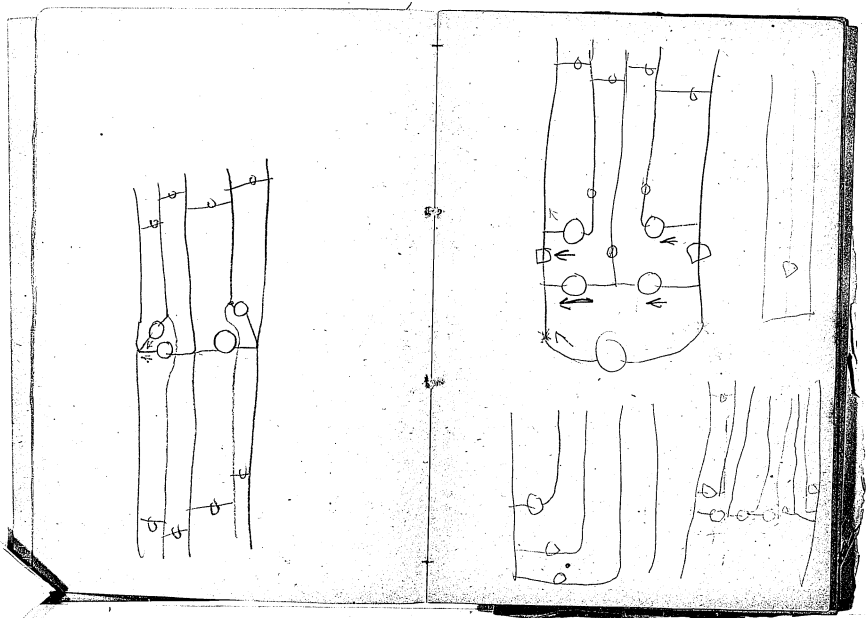


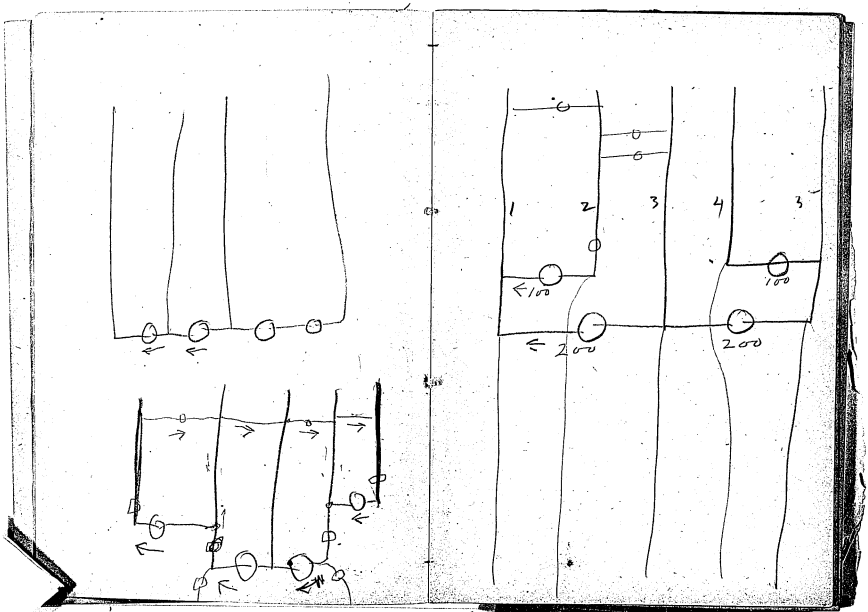


[THIS BOOK WAS USED IN BOTH DIRECTIONS. THE FOLLOWING PAGES WERE FILMED FROM THE BACK END FORWARD.]








1
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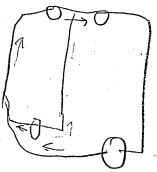

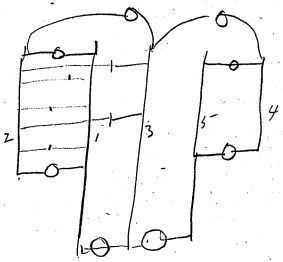
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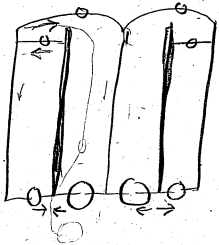

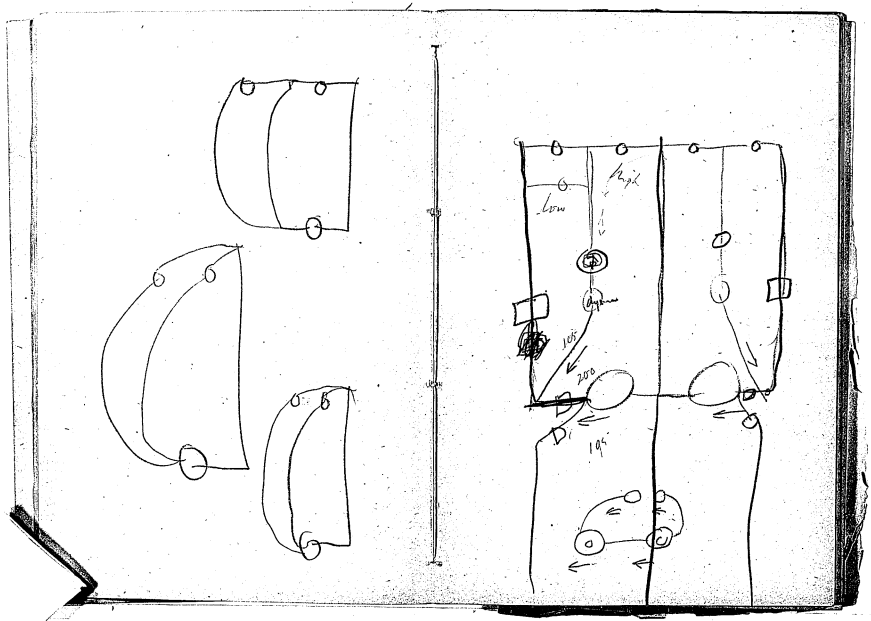
Low
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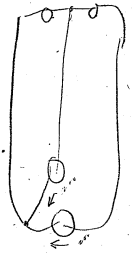

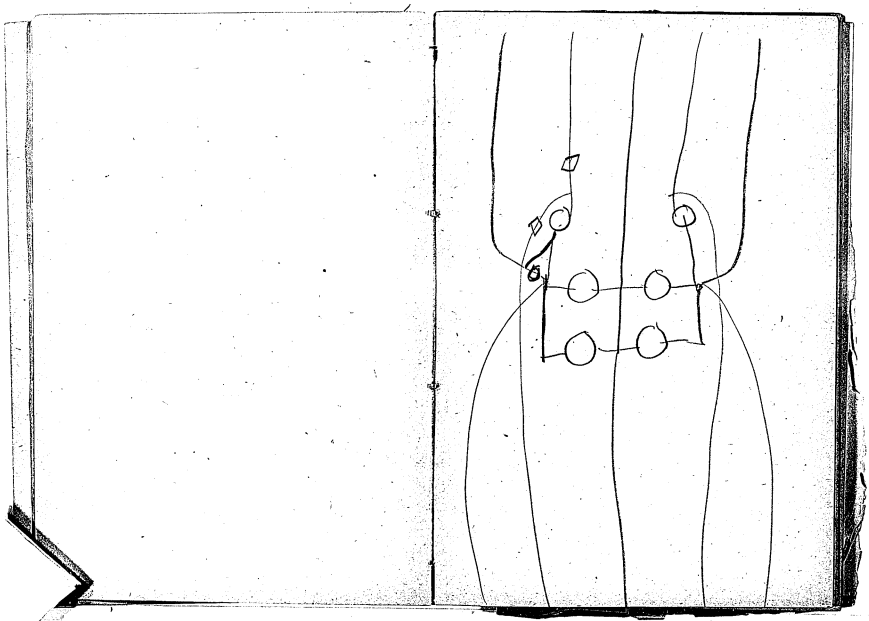

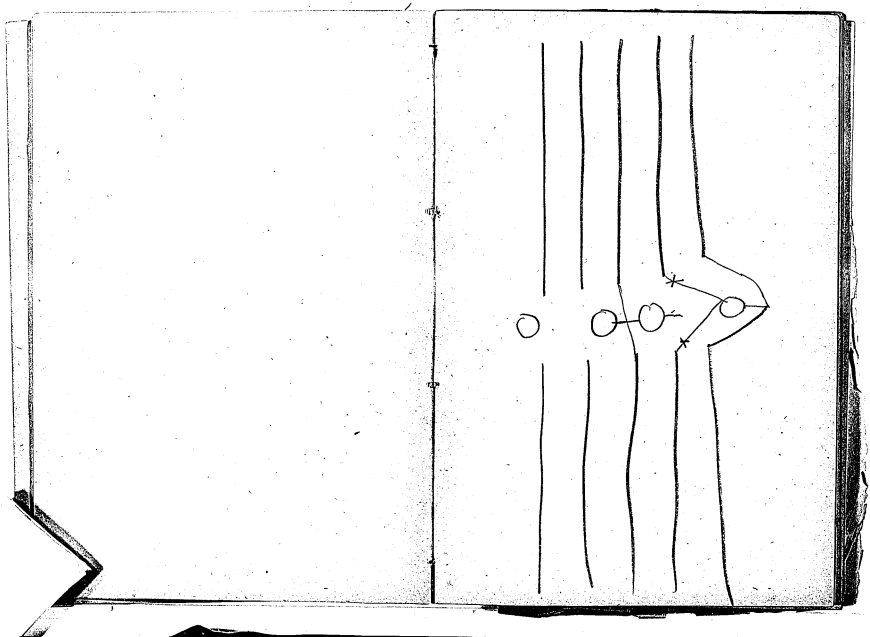

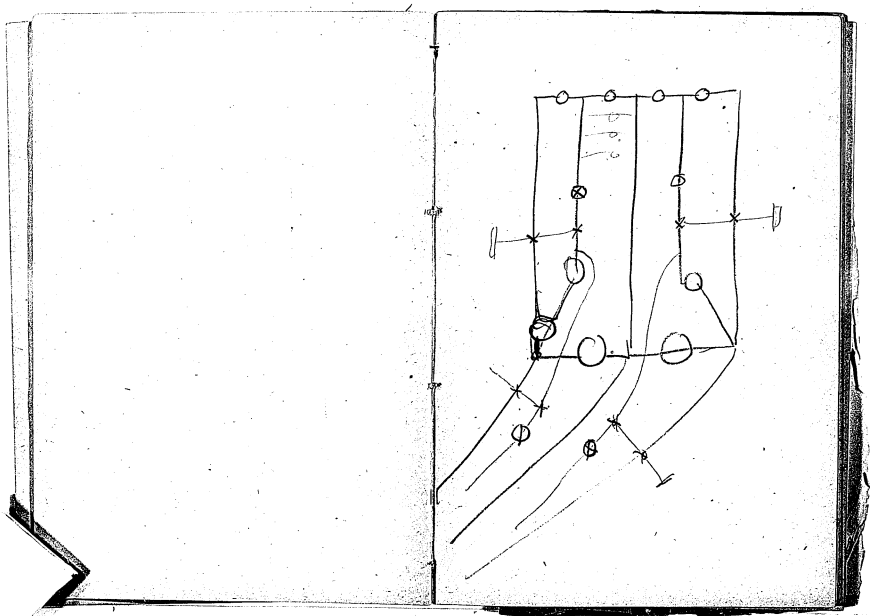

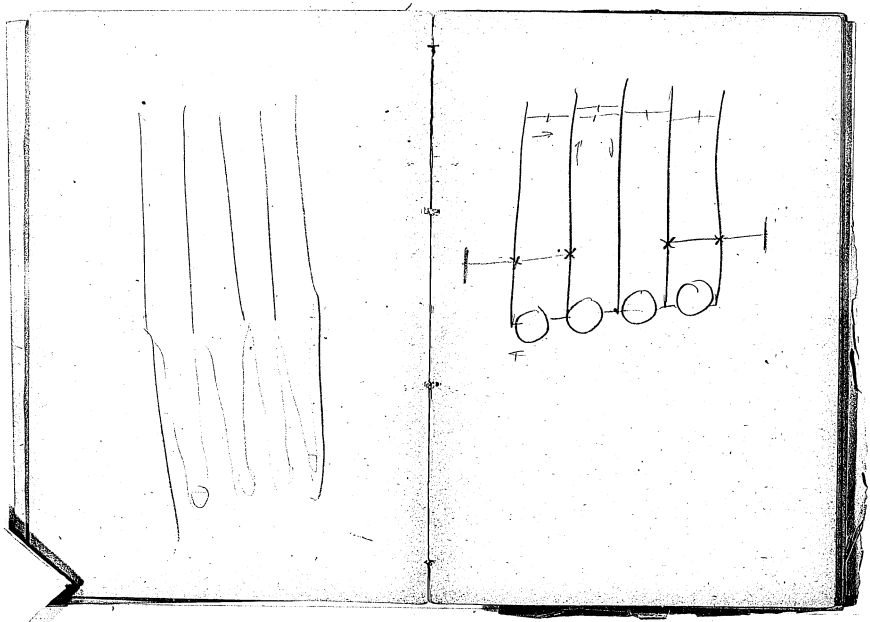

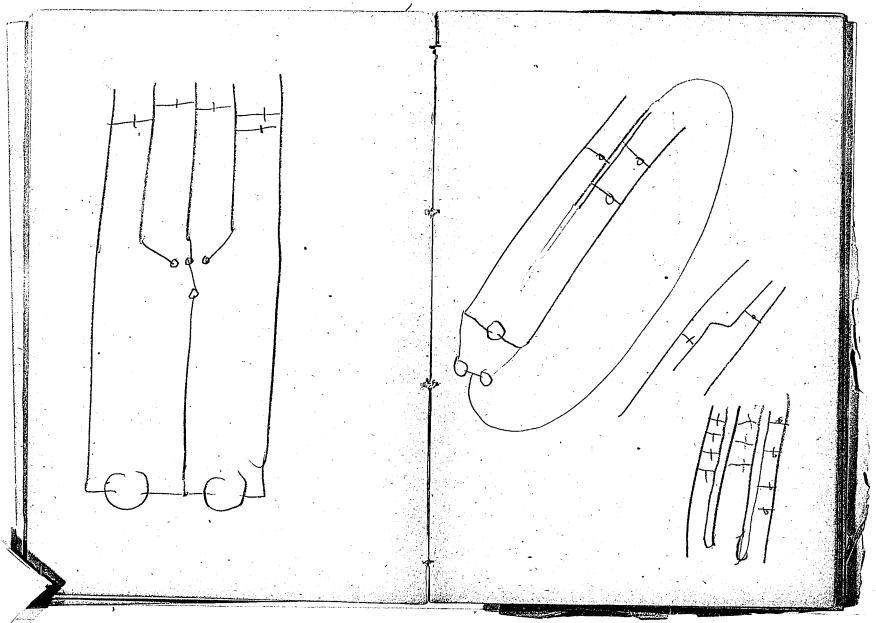

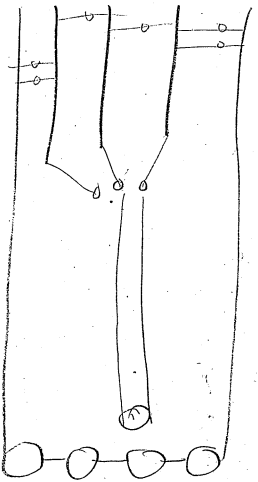

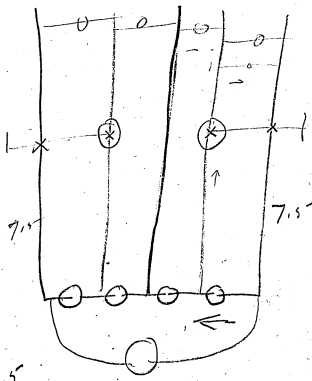

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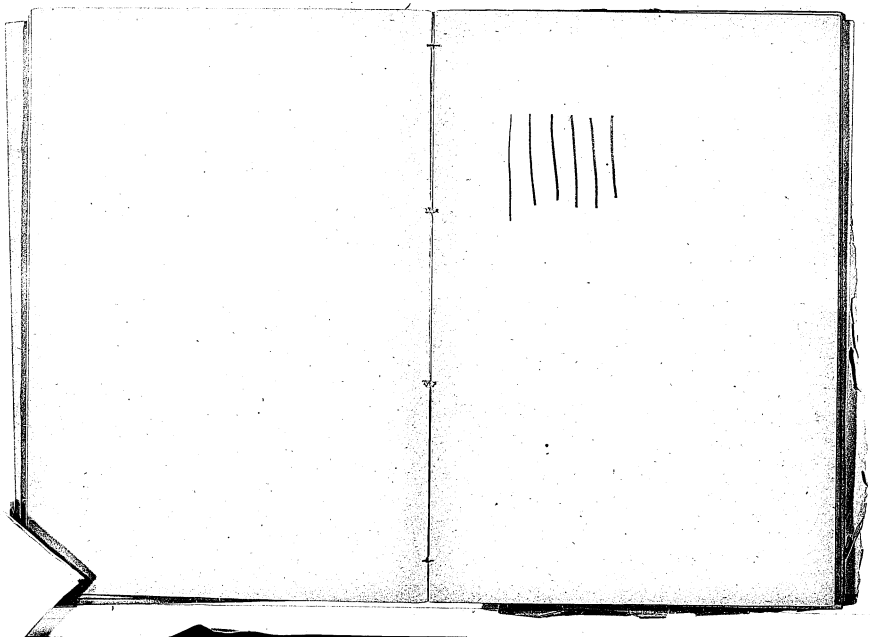

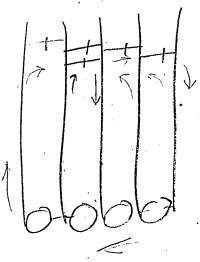

15
100 - 15 pd.
30
33 pd lumpers 30
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49
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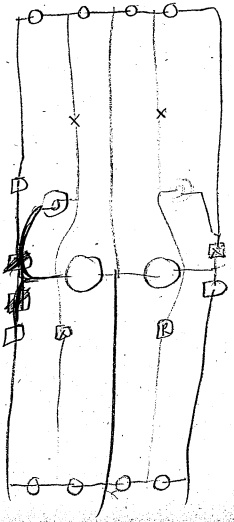
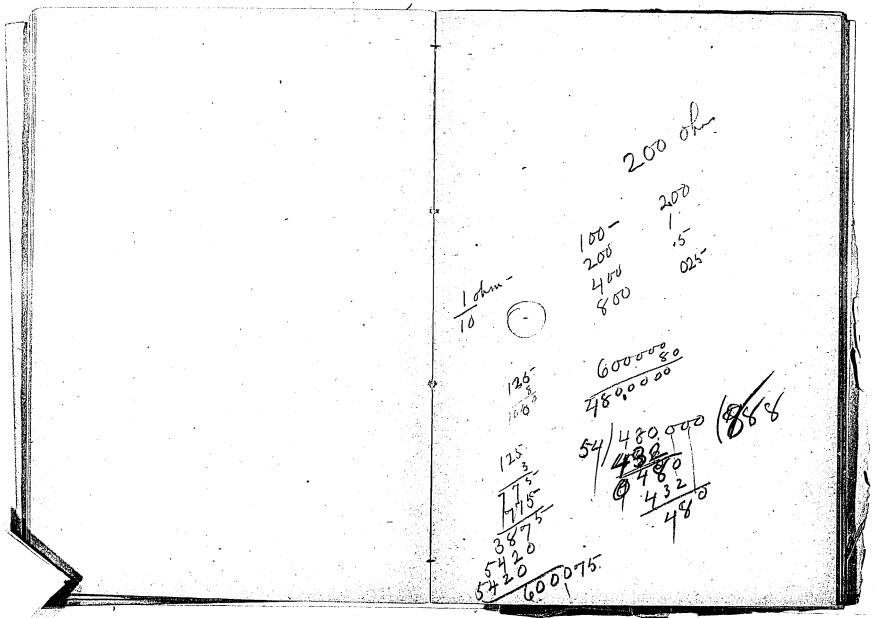
410 -




200 ohm
100 200
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1 ohm 10
125 3 5 775 3875
54 20 5420
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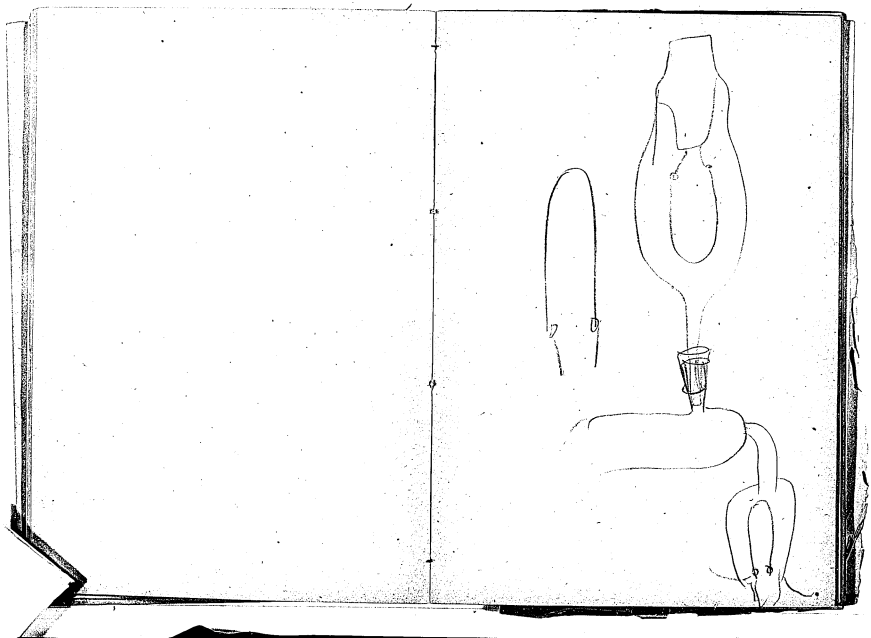
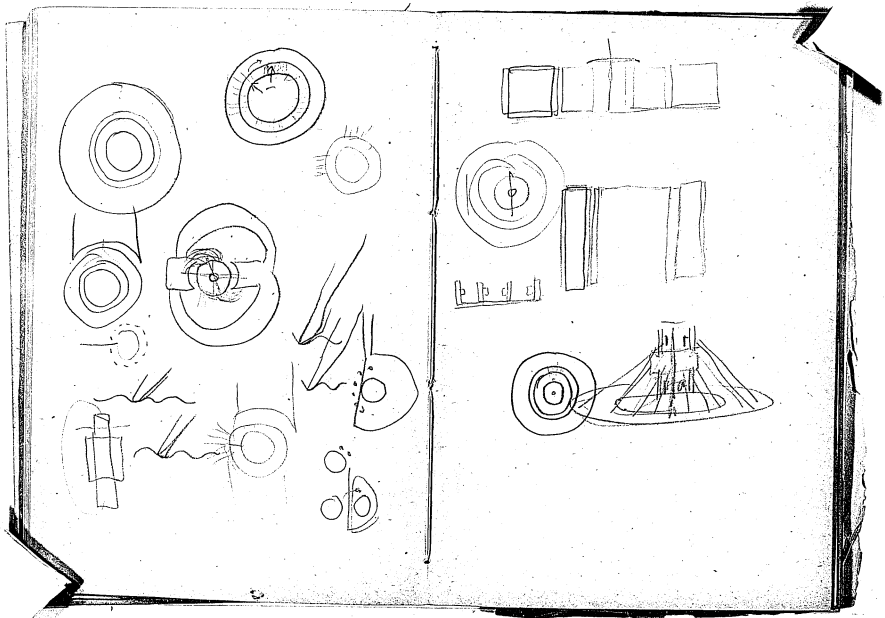
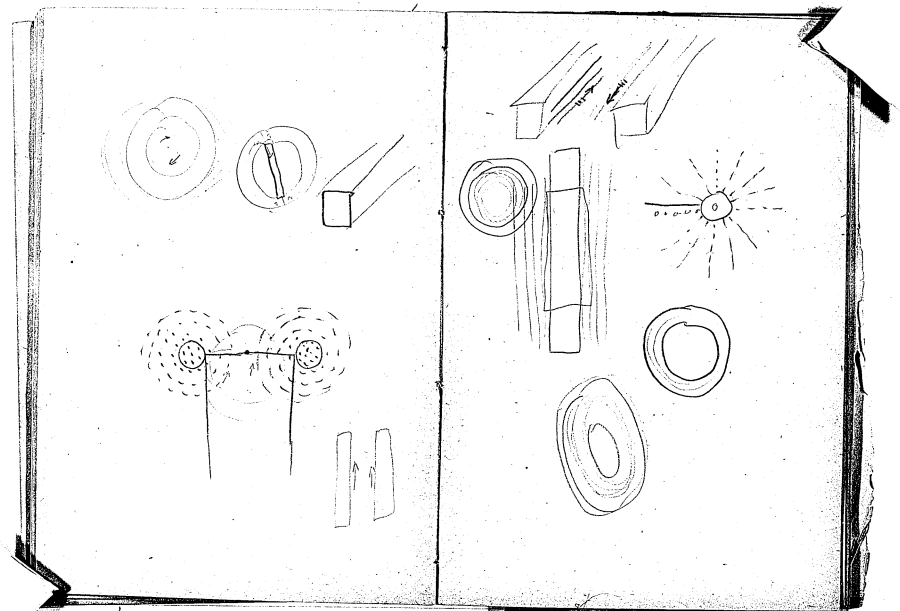
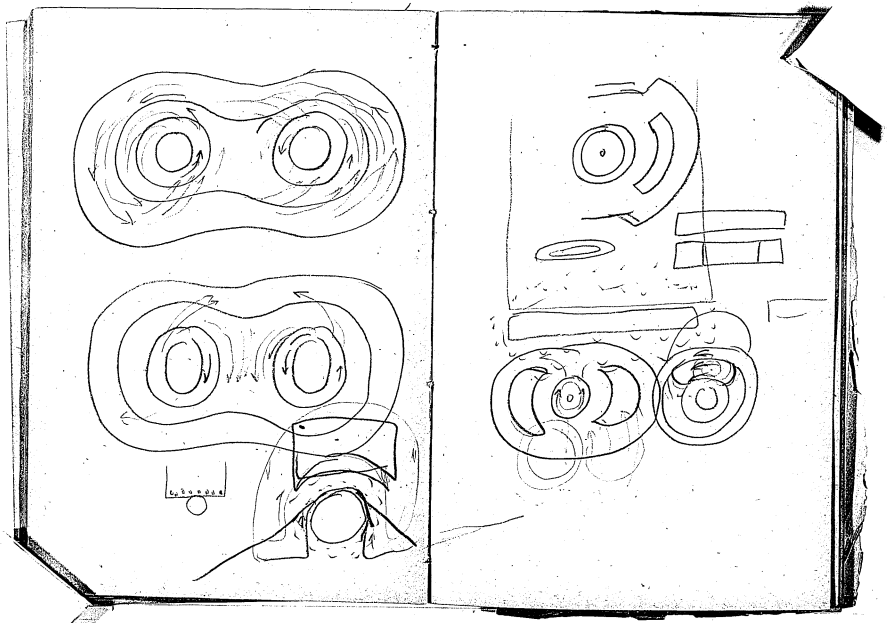
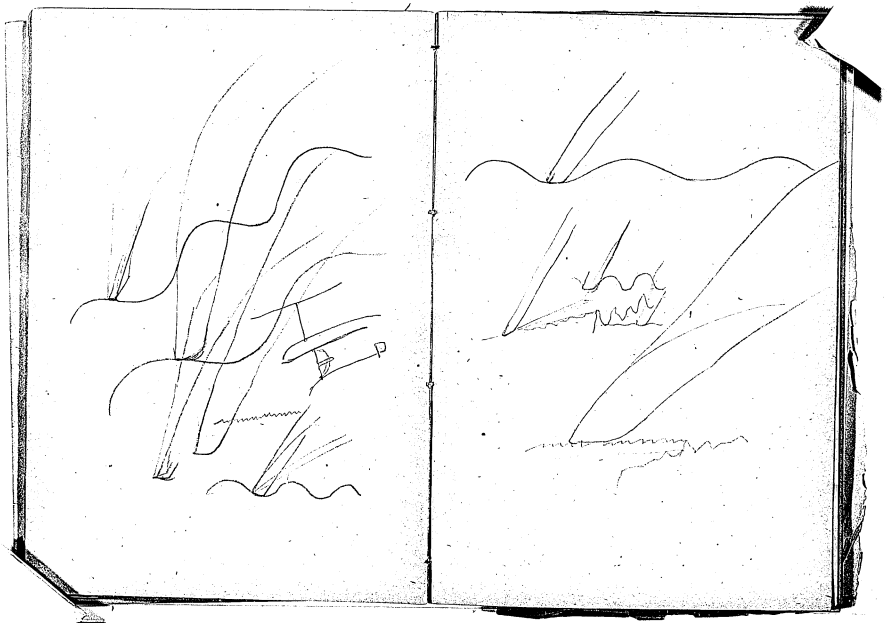
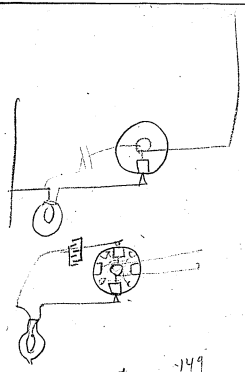












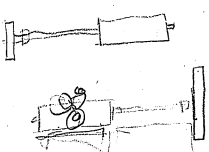
1 Lamp 75 watts .149

75 | 146 | 18.8
75 | 71.0
66.0
16.0

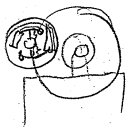
318 | 4.2
300
18.0

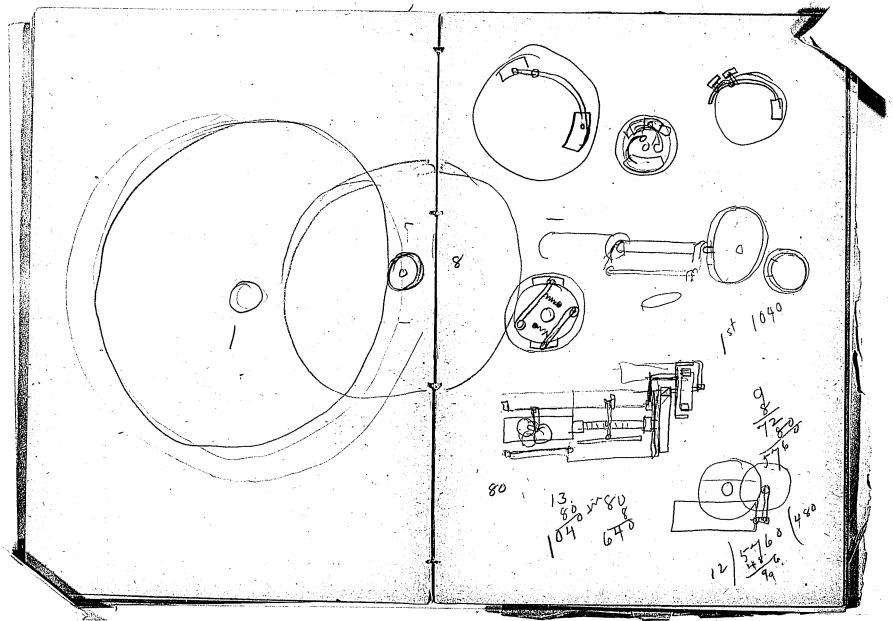
75.0
75
49.2
45.0
4.2

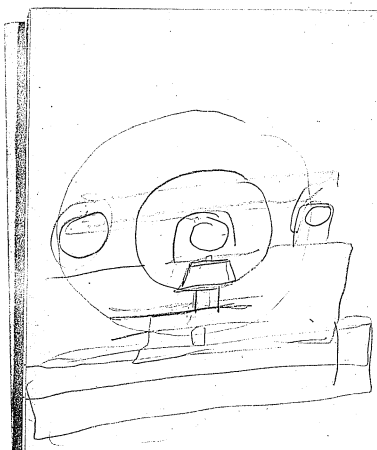
75 | 49.2 | 6.16
45.0
4.2

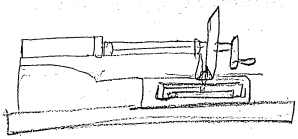


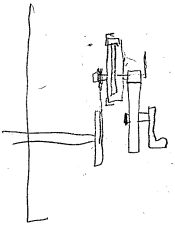
Lamp spot Loss
0 - .175 1 lamp
4.2 1 lamp
6.16 - 1.02 "
18.8 .175 "
36 — .2

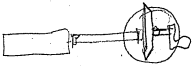


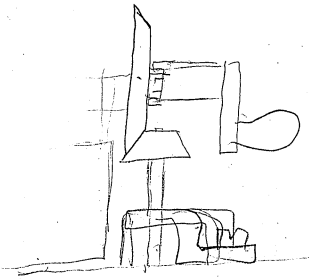

1st 1040
80
13
80
1040
6480
12

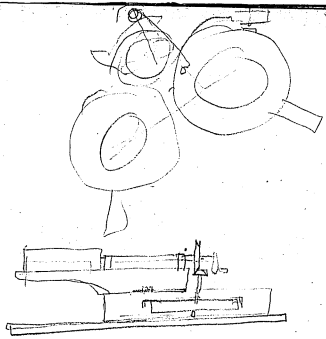




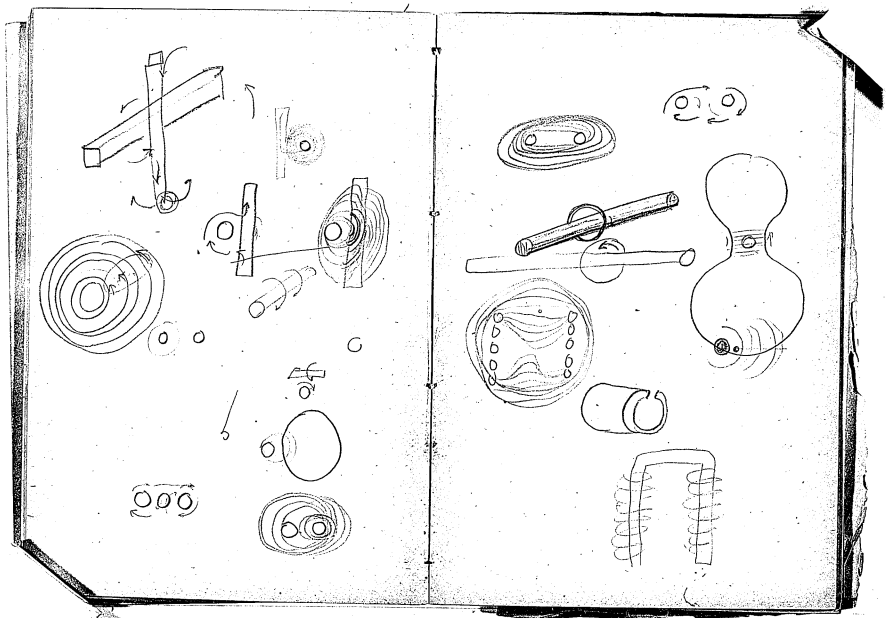
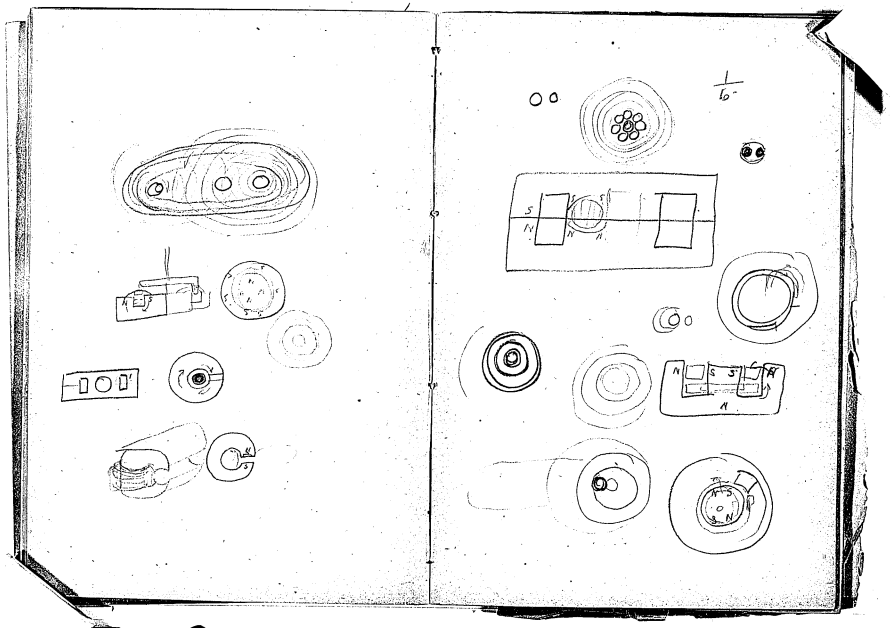
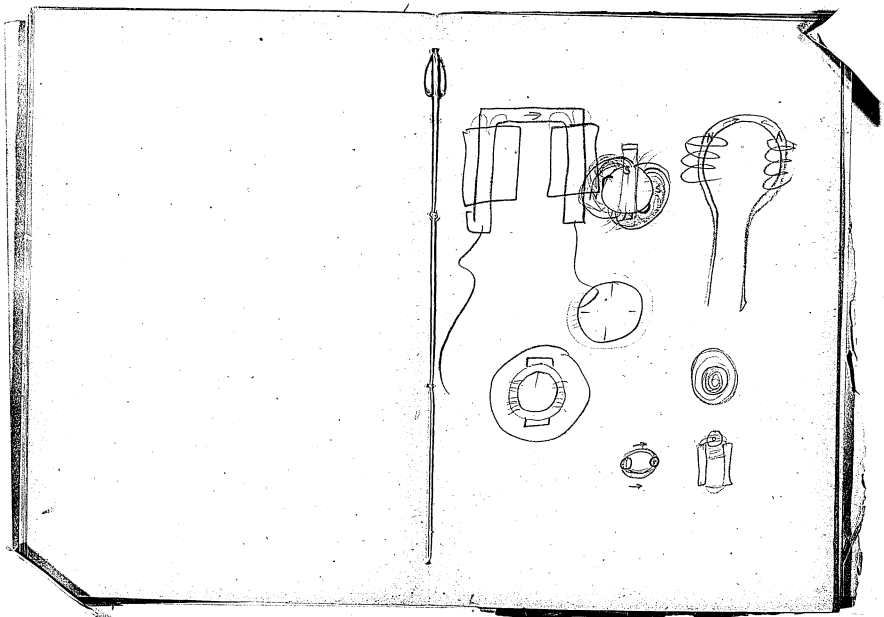








1935-

20, 10- 12 1380. 15 60 1500 1300

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